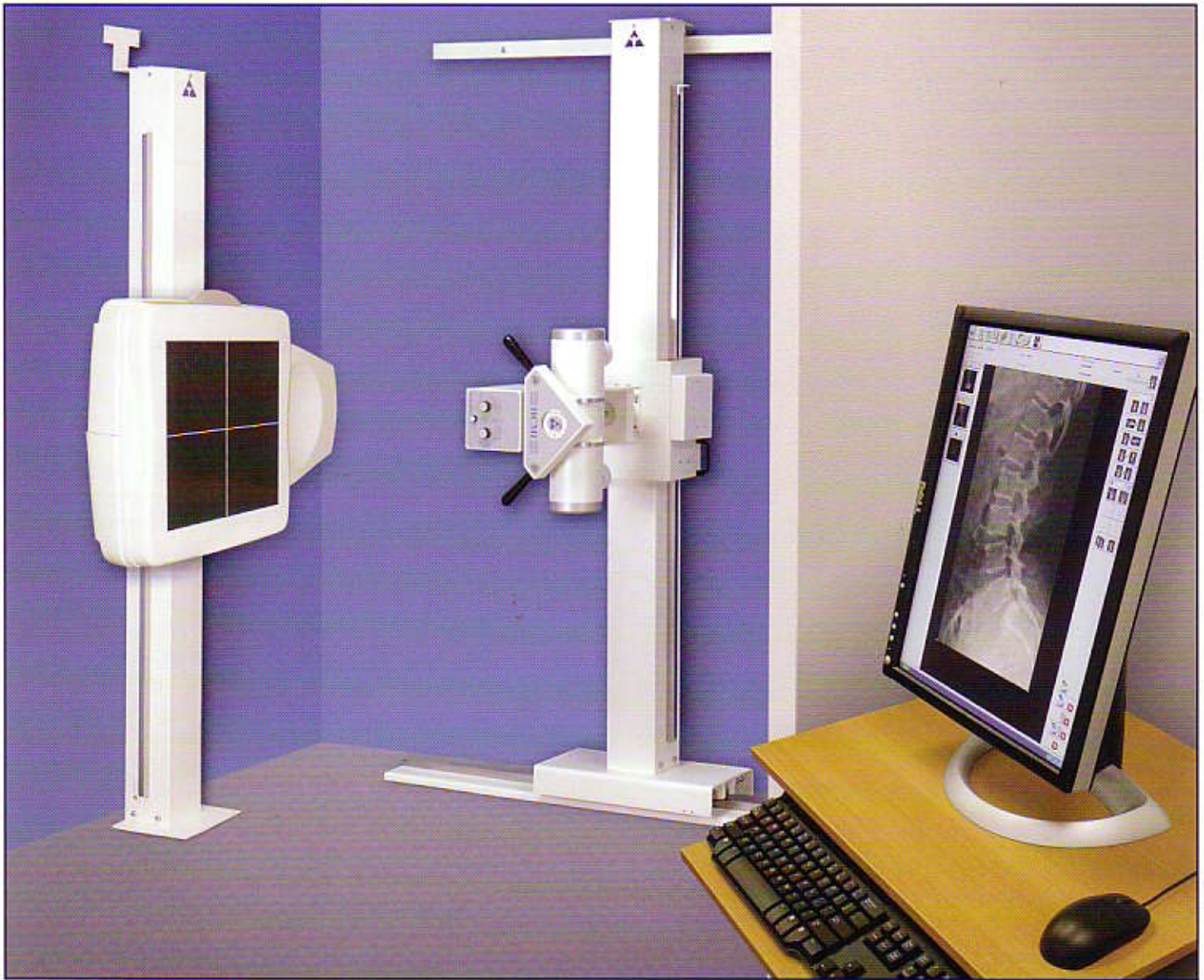


HCMI **DCX**

Direct Digital Chiropractic X-ray Systems



HCMI offers Chiropractors the highest resolution digital radiographic images available in the industry. The HCMI DCX meets the challenges of increased exam volumes, stringent operating budgets, and staffing shortages—all without the use of film, chemistry, cassettes or expensive imaging plates.



Technology is the single most important consideration when investing in a new digital x-ray system. By combining a patented, single CCD direct digital receptor and a time-tested 100 kHz generator with anatomical programming, the HCMI DCX produces the highest resolution images available within seconds, exceeding every expectation. This system allows you to examine more patients each day, up to 3 times more than a conventional film-based or CR (computed radiography) system.

The digital receptor has an excellent dynamic range, producing 16,384 shades of gray that allows discovery of pathology that may not be seen by other systems. Patient positioning is easy due to the large 17" x 17" (43 cm x 43 cm) image area. Lower radiation dose and high efficiency of the digital receptor is evident by the system's high Detective Quantum Efficiency (DQE is an industry measure of digital image quality)



High frequency generator technology has revolutionized chiropractic radiography, and has become the industry standard. 100 kHz technology is true high frequency power. Addressing the most critical aspects of upright skeletal radiography, 100 kHz technology far exceeds the competition. Producing more radiation in less time allows for shorter exposure times, greatly reducing

the chance of patient motion. 100 kHz offers increased penetration power at lower kV techniques, resulting in optimum image quality with superior bone and soft tissue contrast.

Performance and simplicity are important factors in a system's operation. The HCMI 100 kHz generator includes anatomical programming, allowing for an easy three-step x-ray exposure set-up:

- Step One – Select the anatomical region
- Step Two – Select the radiographic view
- Step Three – Enter the patient's measurement

The HCMI control panel's digital display now indicates the optimum mA, kVp and mAs for the patient and view. To ensure superior radiographic images, every HCMI 100 kHz generator includes Chiropractic Software by HCMI. These researched and proven techniques combine with 100 kHz technology to provide precision results.

After the exposure is made, the acquired digital image appears on the system's display within seconds, allowing for immediate positioning verification and diagnosis. Digital images are processed and ready to send to a printer, send electronically for a second opinion or save for later review with a few keystrokes.

Versatility meets current and future needs. HCMI systems are designed to address today's applications with tomorrow in mind. As a stand-alone imaging workstation, with the optional mini-PACS, or integrated into an existing PACS, the flexible HCMI DCX system is ideal for any clinic. The HCMI software is easy to use and supports the DICOM standards including modality worklist, print management and DICOM send. Advanced image processing functions include: tissue equalization, sharpening, image contrast enhancement, and many more. Markers for Right, Left, VD and DV are easily applied for permanent reference. Using the optional mini-PACS allows for telemedicine access to your images for referral. The systems are FDA 510k approved.

Five Year Product Warranty

HCMI x-ray system warranties are the most comprehensive in the industry. A limited five-year parts warranty on the x-ray system with a one-year warranty on the digital receptor, computer, monitor and software, demonstrates complete product confidence.

Commitment to Chiropractic excellence is evident throughout the HCMI product line of adjusting tables, traction tables, electro-therapy equipment and 100 kHz high frequency radiographic systems.

For more information contact us at 1-800-641-4107.



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